

COC# 125

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244

East 11115 Montgomery, Suite B, Spokane, WA 99206-4776

9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132

20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(425) 420-9200

(509) 924-9200

(503) 906-9200

(541) 383-9310

FAX 420-9210

924-9290

FAX 906-9210

FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M106090

TURNAROUND REQUEST in Business Days*

Organic & Inorganic Analyses

☐ 10 ☐ 7 ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1

STD.

Petroleum Hydrocarbon Analyses

☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1

STD.

Please Specify

OTHER

*Turnaround Requests less than standard may incur Rush Charges.

MATRIX

(W, S, O)

OF

CONT.

COMMENTS

NCA WO

ID

CLIENT: BRISTOL		INVOICE TO: BRISTOL												<div>TURNAROUND REQUEST in Business Days*</div> <div>Organic & Inorganic Analyses</div> <div><input type="checkbox"/> 10 <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1</div> <div>STD.</div> <div>Petroleum Hydrocarbon Analyses</div> <div><input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1</div> <div>STD.</div> <div>OTHER Please Specify</div> <div>*Turnaround Requests less than standard may incur Rush Charges.</div>							
REPORT TO: ANNE KRANAWETTER		P.O. NUMBER: 21090																			
ADDRESS: AMCHITKA ISLAND, AK		REQUESTED ANALYSES																			
PHONE: 907-770-0974 FAX: 770-0975																					
PROJECT NAME: AMCHITKA																					
PROJECT NUMBER: 21090																					
SAMPLED BY:																					
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	HCHD																			
1. OIAMAIU01SL	6.28.01 1345	✓																			
2. OIAMAIU02SL	6.28.01 1350	✓																			
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
11.																					
12.																					
13.																					
14.																					
15.																					
RELINQUISHED BY: Anne Kranawetter		DATE: 6.28.01												RECEIVED BY: Craig Brucke				DATE: 6/28/01			
PRINT NAME: Anne Kranawetter		FIRM: BRISTOL												PRINT NAME: Craig Brucke				FIRM: NCA			
RELINQUISHED BY:		DATE:												RECEIVED BY:				DATE:			
PRINT NAME:		FIRM:												PRINT NAME:				FIRM:			
TIME:		TIME:												TIME:				TIME:			
ADDITIONAL REMARKS:																		TEMP: 61°C		PAGE 1 OF 1	



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/28/01 17:42. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106090



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/29/01 18:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMA11U01SL	M106090-01	Soil	06/28/01 13:45	06/28/01 17:42
01AMA11U02SL	M106090-02	Soil	06/28/01 13:50	06/28/01 17:42

C.O.C. # 125

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

1 of 4



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/29/01 18:29

Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA11U01SL (M106090-01) Soil						Sampled: 06/28/01 Received: 06/28/01			
Gasoline Range Hydrocarbons	ND	9.97	mg/kg	1	NWTPH HCID	06/29/01	06/29/01	0106101	
Diesel Range Hydrocarbons	150	24.9	"	"	"	"	"	"	D-16
Heavy Oil Range Hydrocarbons	65.0	49.9	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>111 %</i>	<i>50-150</i>							
01AMA11U02SL (M106090-02) Soil						Sampled: 06/28/01 Received: 06/28/01			
Gasoline Range Hydrocarbons	10.6	8.95	mg/kg	1	NWTPH HCID	06/29/01	06/29/01	0106101	D-10
Diesel Range Hydrocarbons	799	22.4	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	44.8	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>116 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

2 of 4



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/29/01 18:29

Hydrocarbon Identification per NW-TPH Methodology - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 0106101 - TPH-HCID (WA)

Blank (0106101-BLK1)

Prepared & Analyzed: 06/29/01

Gasoline Range Hydrocarbons	ND	10.0	mg/kg						
Diesel Range Hydrocarbons	ND	25.0	"						
Heavy Oil Range Hydrocarbons	ND	50.0	"						
<i>Surr: 1-Chlorooctadecane</i>	<i>9.20</i>		<i>"</i>	<i>10.0</i>		<i>92.0</i>	<i>50-150</i>		

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/29/01 18:29

Notes and Definitions

D-10 Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.

D-16 Detected hydrocarbons in the diesel do not have a distinct diesel pattern and may be due to heavily weathered diesel.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

4 of 4

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106090 FINAL 06 29 01 1829.mdb Default Report (not modified)
M106090-01	NW-HCID mod	Diesel Range Hydrocarbons	D-16
M106090-02	NW-HCID mod	Gasoline Range Hydrocarbons	D-10